

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 70005

Wednesday, May 25, 2011 12:01:07 PM

Page 2

Item ID: D350-689-043

Accept

Setup Start

Revision ID:

Stop

Item Name: Dual High Back Seat Assembly

Start Date: 5/25/2011 Start Qty: 1.00

Required Date: 6/10/2011 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00



Powdercoat

Powder Coating

Memo

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

11-30
320
12-00

0.00

H J M-11/06/13

140

QC3- Inspect Part Finish

0.00



QC

Quality Control

Memo

0.00

1 BR 11-6-13.

150

Large Fab

0.00



Large Fab

Large Fab

Memo

Assemble as per IIN 350-689

0.00

GS 11/06/13 ①

W/O:		WORK ORDER CHANGES						
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Work Order ID 70005

Wednesday, May 25, 2011 12:01:07 PM



Page 3

Item ID: D350-689-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Dual High Back Seat Assembly

Start Date: 5/25/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 6/10/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160 QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00							
170 Packaging Packaging	Identify as per dwg & Stock Location: _____ Memo	0.00 0.00							
180 QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							

S 11/06/13

JPP 70003

11/6/13

11/6/14
ME
11-06-14

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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NOTE: Date & initial all entries

Picklist Print

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Page 1

Work Order ID: 70005

Parent Item: D350-689-043

Parent Item Name: Dual High Back Seat Assembly











Start Date: 5/25/2011

Required Date: 6/10/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 08-12-24 new issue DD verified by:ECI PP Rev:B as per
DSI 9498 DD 10.02.12 verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3017-041 		Manufactured	No			110	Each	0.0000	1	1			
Back Frame Assembly				70010								EL 11-6-10	
D3023-1 		Manufactured	No			110	Each	0.0000	1	1			
Back Panel				70018								EL 11-6-10	
MS20600-AD4W2 		Purchased	No			110	Each	300.0000	40	40			
Rivet												ES 11/06/13	
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST321				300					
				116391				5					
				116471				4					
				116805				35					
				117317				56					
				117601				150					
				117739				50				40	
AN3-12A 		Purchased	No			150	Each	101.0000	3	3			
Bolt												ES 11/06/13	
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST351				101					
				114536				1					
				116786				100				3	
D3016-041 		Manufactured	No			150	Each	0.0000	1	1			
Seat Frame Assembly				70013								EL 11-6-10	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Page 2

Work Order ID: 70005

Parent Item: D350-689-043

Parent Item Name: Dual High Back Seat Assembly

Start Date: 5/25/2011

Required Date: 6/10/2011

Start Qty: 1.00

Required Qty: 1.00

D3021-041 Manufactured No
Tube Assembly

150 Each 3.0000 1 1



EL 11-6-10

70454

Location

Loc Qty

Loc Code

GA

3

68731

3

D3022-1 Manufactured No
Seat Pan

150 Each 0.0000 1 1



EL 11-6-10

D3024-1 Manufactured No
Spacer

150 Each 3.0000 3 3



EL 11/06/13

Location

Loc Qty

Loc Code

ST030

3

68734

3

D3031-1 Manufactured No
Loop

150 Each 3.0000 2 2



EL 11/06/13

Location

Loc Qty

Loc Code

ST034

3

68621

3

D3808-041 Manufactured No
Seat Rail Assembly

150 Each 1.0000 2 2



EL 11/06/13

Location

Loc Qty

Loc Code

ST262

1

44695

1

B70011 (20)

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Picklist Print

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Work Order ID: 70005

Parent Item: D350-689-043

Parent Item Name: Dual High Back Seat Assembly

Start Date: 5/25/2011

Required Date: 6/10/2011

Start Qty: 1.00

Required Qty: 1.00

D3809-1
Sliding Block

Manufactured No

150 Each

4.0000

4

4

Location

Loc Qty

Loc Code

ST084

4

44696

4

MS20600-AD4W3

Purchased

No

150

Each

1,353.000

6

6

Cherry Rivets

Location

Loc Qty

Loc Code

ST321

1028

111636

328

117505

500

117601

200

WA018

325

107939

325

MS21042L3

Purchased

No

150

Each

2,172.000

17

17

Nut

Location

Loc Qty

Loc Code

ST300

2172

116391

11

116540

195

116549

766

117441

800

117601

400

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Picklist Print

Wednesday, May 25, 2011 12:01:04 PM

Page 4

Work Order ID: 70005

Parent Item: D350-689-043

Parent Item Name: Dual High Back Seat Assembly

Start Date: 5/25/2011

Required Date: 6/10/2011

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

150

Each

4,682.000

6

6



Nut

Location

Loc Qty

Loc Code

ST300

4682

116823

882

117441

3000

117601

800



EP 5/11/06/13

MS24693-S272

Purchased

No

150

Each

83.0000

4

4



Screw

Location

Loc Qty

Loc Code

ST288

83

116391

11

116737

22

117677

50



EP 5/11/06/13

MS24694-S148

Purchased

No

150

Each

38.0000

4

4



Screw

Location

Loc Qty

Loc Code

ST289A

38

108960

38



EP 5/11/06/13

MS24694-S3

Purchased

No

150

Each

27.0000

8

8



Screw

Location

Loc Qty

Loc Code

ST289

27

108936

15

112794

12



EP 5/11/06/13

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Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, May 25, 2011 12:01:04 PM

Page 5

Work Order ID: 70005

Parent Item: D350-689-043

Parent Item Name: Dual High Back Seat Assembly

Start Date: 5/25/2011

Required Date: 6/10/2011

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-17

Purchased

No

150

Each

130.0000

4

4



Screw

Location

Loc Qty

Loc Code

ST292

130

11540

30

117591

100

4

MS27039-1-19

Purchased

No

150

Each

78.0000

6

6



Screw

Location

Loc Qty

Loc Code

ST292

78

112794

78

6

MS27039-4-21

Purchased

No

150

Each

22.0000

6

6



Screw

Location

Loc Qty

Loc Code

ST293

22

114055

1

116845

11

117771

10

6

NAS1149D0332J

Purchased

No

150

Each

2,599.000

17

17



Washer

Location

Loc Qty

Loc Code

ST297

2000

117087

2000

ST298

599

117291

599

17

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Shop Packet Print

Page 5

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Page 6

Work Order ID: 70005



Parent Item: D350-689-043



Parent Item Name: Dual High Back Seat Assembly

Start Date: 5/25/2011

Required Date: 6/10/2011

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0432J

Purchased

No

150

Each

224.0000

6



WASHER



6
5/11/06/13

Location

Loc Qty

Loc Code

ST298

224

114718

30

116583

194

6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-689 REV. A
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-689 REV 0

REF TCCA STC: SH02-33

REF FAA STC: SR01620NY

REF EASA STC: EASA.IM.R.S.01453

REF BRAZILIAN STC: 2005S03-09

PURPOSE:

TO UPDATE THE PARTS LIST AND THE WEIGHT AND BALANCE TABLE IN IIN-D350-689 REV A AND ICA-D350-689 REV 0.

CHANGE:

FOR D350-689-011 AT CHANGE 003, D350-689-021 AT CHANGE 002, D350-689-041 AT CHANGE 002 AND D350-689-043 AT CHANGE 002, QTY (6) OF: MS27039-1-19 SCREW; MS21042L3 NUT & AN960JD10L WASHER REPLACED WITH QTY (6) OF: MS27039-4-21 SCREW; MS21042L4 NUT & NAS1149D0432J WASHER RESPECTIVELY. FIGURE 6 (PG 9) OF IIN-D350-689 MODIFIED PER SHT 2 OF THIS SERVICE INSTRUCTION. THE HARDWARE SECTION OF THE PARTS LIST IN SECTION 5 (PG 10) OF IIN-D350-689 REV A & SECTION 25.6 (PG 31) OF ICA-350-689 REV 0 IS AMENDED AS FOLLOWS:

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X						D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X					D350-689-013	FLOOR PROVISIONS KIT
		X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH (REF DSI 9419)
		1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISION KIT (REF DSI 9419)
1				X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
		1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY (REF DSI 9419)
	6			17	17	NAS1149D0332J	WASHER (OR AN960JD10L)
			9			NAS1149D0363J	WASHER (OR AN960JD10)
				6	6	NAS1149D0432J	WASHER (OR AN960JD416)
				3	3	AN3-12A	BOLT
	16					MS20426AD3-6	RIVET
			14			MS20426AD4-5	RIVET
	17					MS20426AD4-6	RIVET
	18		34			MS20470AD4-5	RIVET
	2		18			MS20470AD4-6	RIVET
	30		32			MS20470AD5-6	RIVET
				40	40	MS20600AD4W2	RIVET
				6	6	MS20600AD4W3	RIVET (REF DSI 9349)
	8					MS21059L3	NUTPLATE
	6					MS27039-1-10	SCREW
				4	4	MS27039-1-17	SCREW
				6	6	MS27039-1-19	SCREW
				6	6	MS27039-4-21	SCREW
				4	4	MS24693-S272	SCREW
	2					MS24693-S273	SCREW
					8	MS24694-S3	SCREW
			9			MS24694-S50	SCREW
					4	MS24694-S148	SCREW
			9	17	17	MS21042L3	NUT (OR MS21042-3)
				6	6	MS21042L4	NUT (OR MS21042-4)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 10.01.21
CERT. NO.: SH02-33
ISSUE NO.: 1

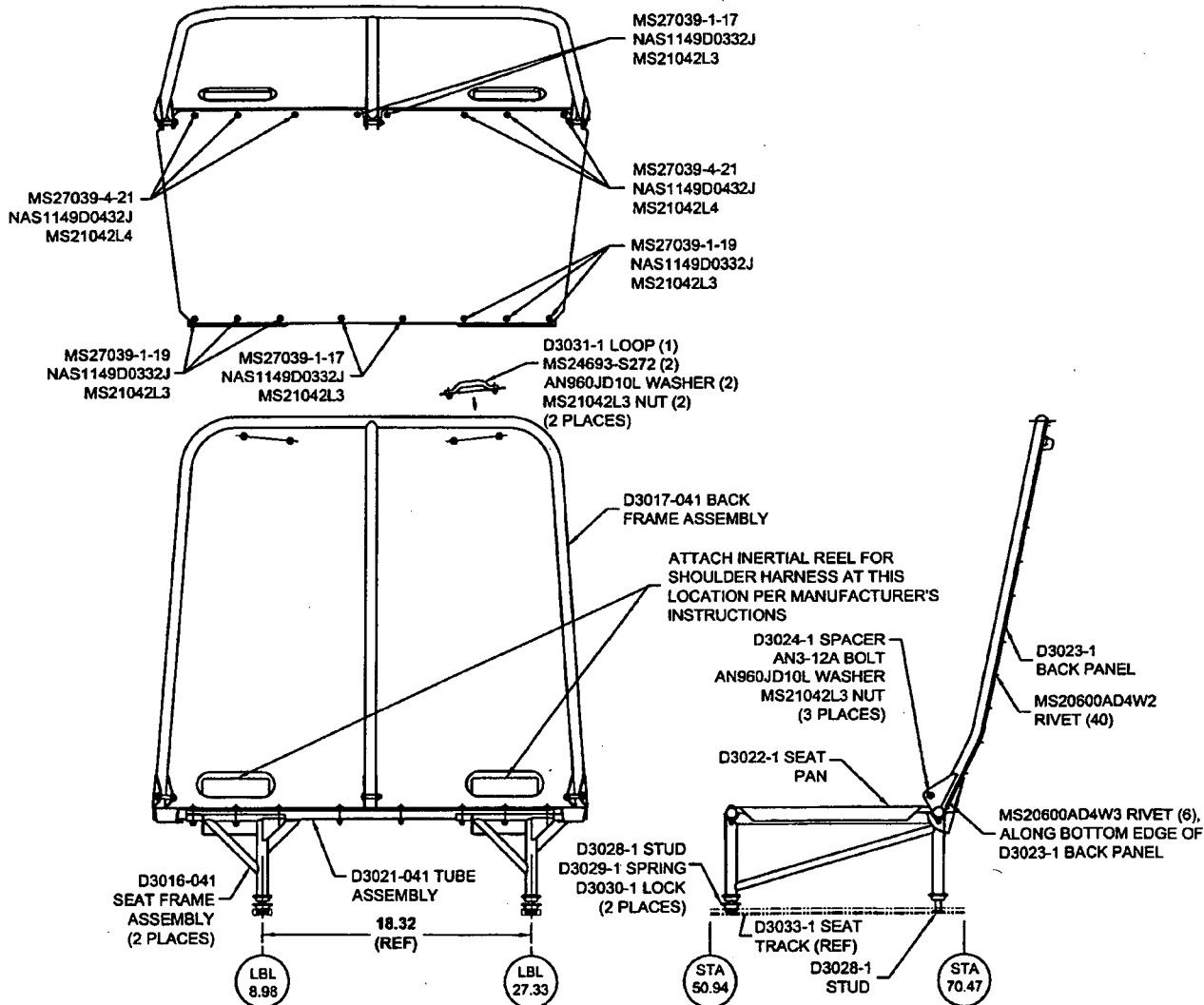
A	NEW ISSUE.	JPH	10.01.21
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9498	SHEET 1 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SEAT REINF; IIN & ICA UPDATE	NTS
DATE	10.01.21	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

CL1106113 WID: 70605

CHANGE:

THE FOLLOWING WEIGHT AND BALANCE INFORMATION IS FOR THE D350-689-011 DUAL HIGH BACK SEAT AT CHANGE 003 (OR LATER) AND THE D350-689-021 DUAL HIGH BACK SEAT AT CHANGE 002 (OR LATER).






Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-689-011	27.6 lb	-18.2 in	-502 in-lb	60.7 in	1675 in-lb
Dual High Back Seat Installation	12.5 kg	-0.46 m	-5.8 m-k-g	1.54 m	19.3 m-k-g
D350-689-021 Dual High Back Seat	29.2 lb	-18.2 in	-531 in-lb	60.7 in	1772 in-lb
Installation, LH Fwd Position	13.2 kg	-0.46 m	-6.1 m-k-g	1.54 m	20.3 m-k-g
D350-689-021 Dual High Back Seat	29.2 lb	-18.2 in	-531 in-lb	64.7 in	1889 in-lb
Installation, LH Aft Position	13.2 kg	-0.46 m	-6.1 m-k-g	1.64 m	21.6 m-k-g

**REF FIGURE 6 (IIN-350-689)**

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 10.01.21
CERT. NO.: SH02-33
ISSUE NO.: 1

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9498	SHEET 2 OF 2
APPROVED		TITLE	SCALE
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